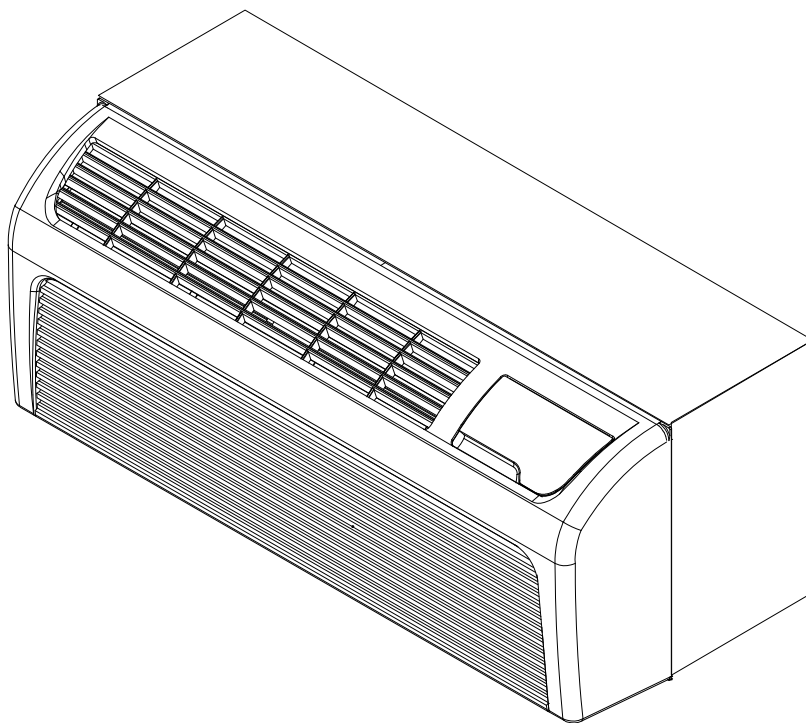


PTH*RDA Packaged Terminal Heat Pumps

PTH073D35JRDA
PTH093D15ARDA
PTH093D25ARDA
PTH093D25BRDA
PTH093D25CRDA
PTH093D25JRDA
PTH093D25YRDA
PTH093D35ARDA
PTH093D35BRDA
PTH093D35CRDA
PTH093D35DRDA
PTH093D35JRDA
PTH093D35XRDA
PTH123D25ARDA
PTH123D25CRDA
PTH123D35ARDA
PTH123D35BRDA
PTH123D35CRDA
PTH123D35DRDA
PTH123D35JRDA
PTH123D50ARDA
PTH123D50BRDA
PTH123D50CRDA
PTH123D50JRDA



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This manual is to be used by qualified technicians only.

This manual replaces RP-520B.

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Important Information

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Functional Parts List	3
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Views shown are for parts illustrations only, not servicing procedures.

Rev. C: Added model PTH073D35JRDA.

Text Codes:

AR - As Required

NA - Not Available

NS - Not Shown

00000000 - See Note

QTY - Quantity Example (QTY 3) (If Quantity not shown, Quantity = 1)

M - Model Example (M1) (If M Code not shown, then part is used on all Models)

Expanded Model Nomenclature:

Example M1 - Model#1 M2 - Model#2 M3 - Model#3

Goodman Company, L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Goodman Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

For assistance within the U.S.A. contact:

Consumer Affairs Department
Goodman Company, L.P.
7401 Security Way
Houston, Texas 77040
877-254-4729-Telephone
713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division
Goodman Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No:

Description:

RP-520C

REPAIR PARTS MANUAL

44R282AG-5ES	12K RECHI ROTARY COMPRESSOR (M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
44R212AS	9K RECHI ROTARY COMPRESSOR (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
CAP050200370RSS	CAPACITOR 5/20/370V (M1)
CAP050300370RSS	CAPACITOR 5/30/370V (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
39R162AD-9DS	COMPRESSOR, RECHI (M1)
RSKP0010	CONTROL BOARD, M61 WIRELESS KIT
0131P00002S	FAN MOTOR 100 W, 2 SP, 6 PL (M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
0131P00000S	FAN MOTOR 40 W, 2 SP, 8 PL (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
22312901	HEATER 3 1.5 KW ASSY (M2)
22312902	HEATER 3 2.5 KW ASSY (M3, M4, M5, M6, M7, M14, M15)
22312903	HEATER 3 3.5 KW ASSY (M1, M8, M9, M10, M11, M12, M13, M16, M17, M18, M19, M20)
22312904	HEATER 3 5.0 KW ASSY (M21, M22, M23, M24)
C8873917	RELAY (HYRDONIC) (M11, M19)
C8873932	RELAY (POWER VENT) (M1, M4, M6, M9, M12, M17, M20, M22, M24)
B1160701	TERMINAL BOARD (M1, M4, M6, M9, M12, M17, M20, M22, M24)
0130P00038	THERMISTOR-DISCHARGE
20295709	THERMISTOR-HEAT PUMP
0130P00046	THERMISTOR-INDOOR AMBIENT
20295707	THERMISTOR-INDOOR COIL
B1378501	TRANSFORMER (M1, M4, M6, M9, M11, M12, M17, M19, M20, M22, M24)
20512501	TRANSFORMER (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M20, M21, M22, M23, M24)

Expanded Model Nomenclature

M1 - PTH073D35JRDA
M2 - PTH093D15ARDA
M3 - PTH093D25ARDA
M4 - PTH093D25BRDA
M5 - PTH093D25CRDA
M6 - PTH093D25JRDA
M7 - PTH093D25YRDA
M8 - PTH093D35ARDA
M9 - PTH093D35BRDA
M10 - PTH093D35CRDA
M11 - PTH093D35DRDA
M12 - PTH093D35JRDA
M13 - PTH093D35XRDA
M14 - PTH123D25ARDA
M15 - PTH123D25CRDA
M16 - PTH123D35ARDA
M17 - PTH123D35BRDA
M18 - PTH123D35CRDA
M19 - PTH123D35DRDA
M20 - PTH123D35JRDA
M21 - PTH123D50ARDA
M22 - PTH123D50BRDA
M23 - PTH123D50CRDA
M24 - PTH123D50JRDA

SPECIAL PARTS

IO-266	CHASSIS TO WALL SLEEVE INSERT PAGE
IO-693A	CONFIGURATION SETTINGS (M1, M4, M6, M9, M12, M17, M20, M22, M24)
IO-692A	CONFIGURATION SETTINGS (M2, M3, M5, M8, M10, M14, M15, M16, M18, M21, M23)
IO-690A	CONFIGURATION SETTINGS (M7, M13)
IO-694	DIAGNOSTIC WIRING (M11, M19)
20490201	INSPECTION SHEET-SLEEVE/DRAIN
IO-293C	INSTALLATION INSTRUCTIONS
IO-679B	QUICK CONNECT HARDWIRE KIT INSTRUCTIONS (M13)

Replacement Parts List

Image 1

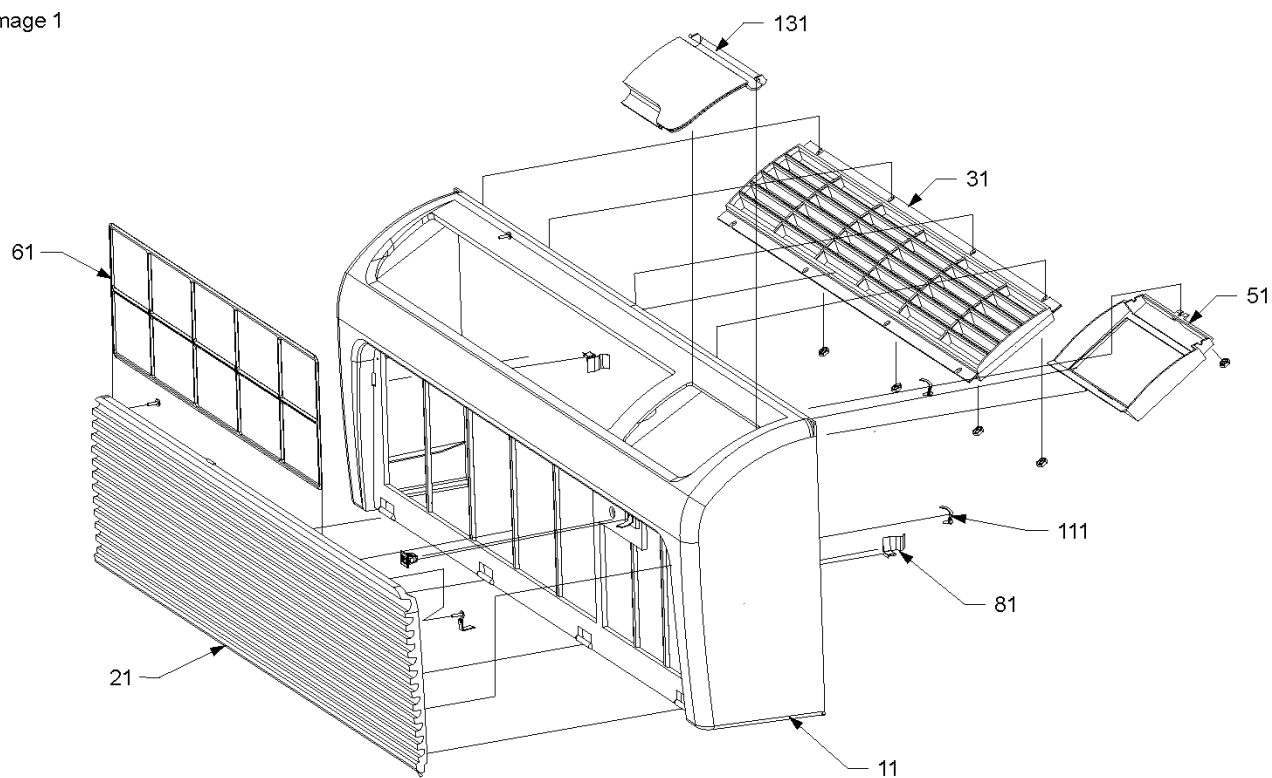
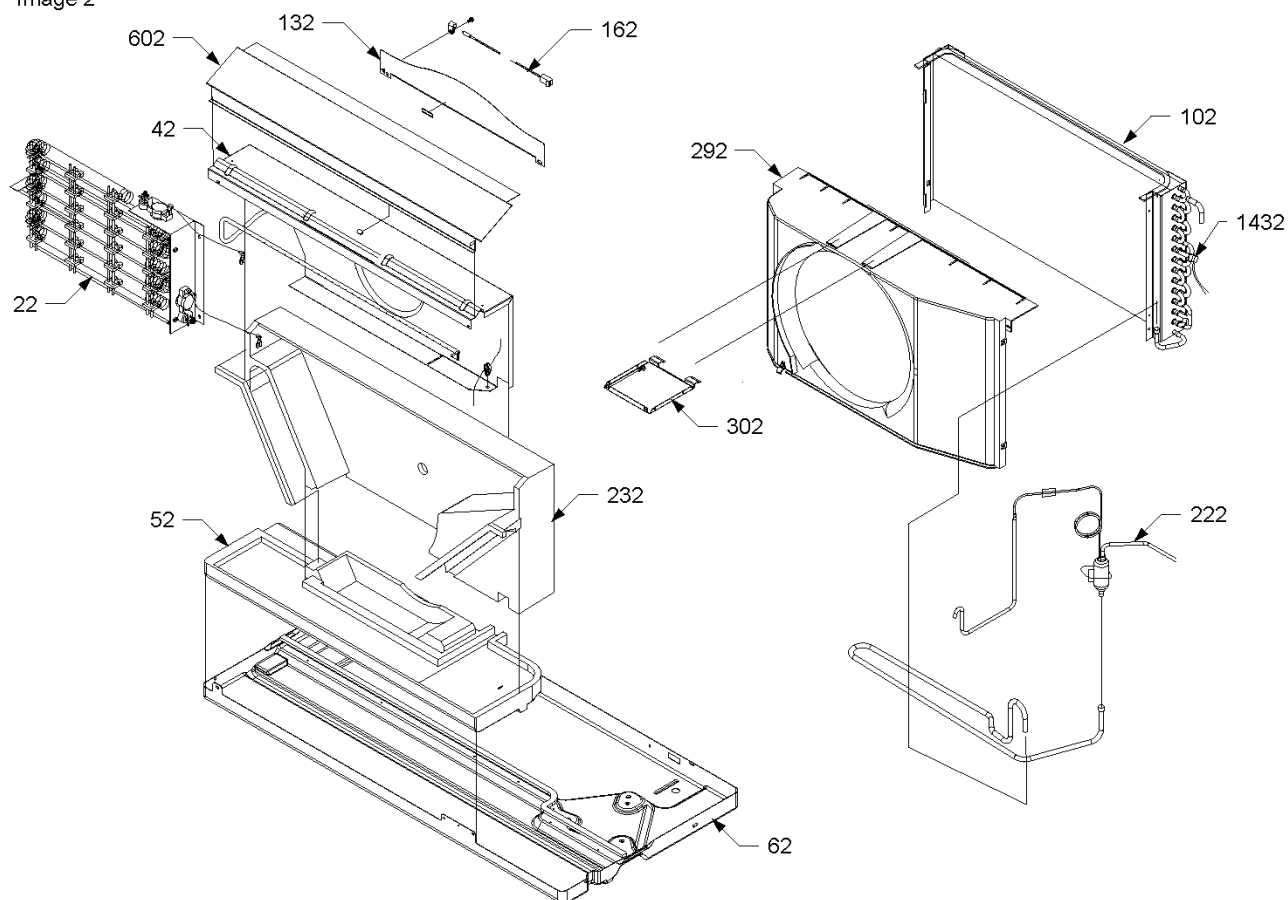


Image 2



Replacement Parts List

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1: FRONT ASSY

11	0261P00000A	FRONT FRAME
21	20415402	INTAKE GRILLE
31	20415301	EXHAUST GRILLE
51	20415601	CONTROL HOUSING
61	20415801	FILTER
81	11045102	SIDE CLIP (QTY 2)
111	0161P00002P	STRAP-INLET GRILLE RESTRAINT (QTY 2)
131	20415901	DOOR ASSY

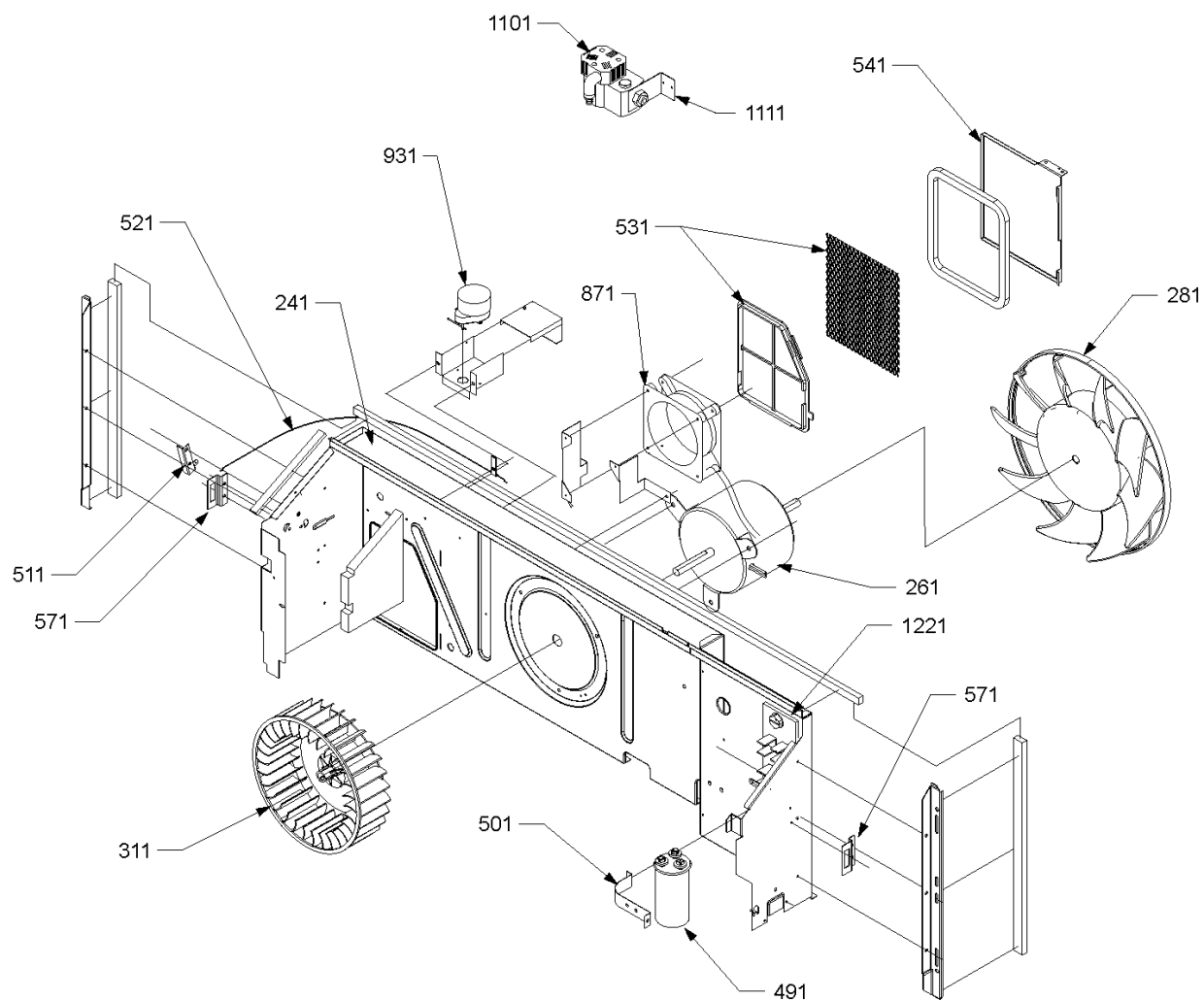
Image 2: BASEPAN ASSY

22	22312901	HEATER 3 1.5 KW ASSY (M2)
22	22312902	HEATER 3 2.5 KW ASSY (M3, M4, M5, M6, M7, M14, M15)
22	22312903	HEATER 3 3.5 KW ASSY (M1, M8, M9, M10, M11, M12, M13, M16, M17, M18, M19, M20)
22	22312904	HEATER 3 5.0 KW ASSY (M21, M22, M23, M24)
42	20364804	BLOWER INTAKE
52	B20403802	EVAPORATOR PAD
62	20403508	BASE PAN
102	0201P00060S	TUBING ASSY, COND COIL (M2, M3, M4, M6, M7, M8, M9, M11, M12, M13, M14, M16, M17, M19, M20, M21, M22, M24)
102	0201P00063DGS	TUBING ASSY, COND COIL (M5, M10, M15, M18, M23)
102	0201P00066S	TUBING ASSY, COND COIL (M1)
132	20515304	BLOWER EXTERNAL INTAKE
162	0130P00038	THERMISTOR-DISCHARGE
222	0210P00049	CAPILLARY WELDMENT (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
222	0210P00055	CAPILLARY WELDMENT (M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
222	0210P00075	CAPILLARY WELDMENT (M1)
232	B20356703	BLOWER SCROLL
292	0161P00015	CONDENSER SHROUD
302	11044201PDG	TIE BRACE
602	11123911	DISCHARGE SCREEN
1432	20295709	THERMISTOR-HEAT PUMP
NS	2232201	REVERSING VALVE COIL-230V

Expanded Model Nomenclature

M1 - PTH073D35JRDA
M2 - PTH093D15ARDA
M3 - PTH093D25ARDA
M4 - PTH093D25BRDA
M5 - PTH093D25CRDA
M6 - PTH093D25JRDA
M7 - PTH093D25YRDA
M8 - PTH093D35ARDA
M9 - PTH093D35BRDA
M10 - PTH093D35CRDA
M11 - PTH093D35DRDA
M12 - PTH093D35JRDA
M13 - PTH093D35XRDA
M14 - PTH123D25ARDA
M15 - PTH123D25CRDA
M16 - PTH123D35ARDA
M17 - PTH123D35BRDA
M18 - PTH123D35CRDA
M19 - PTH123D35DRDA
M20 - PTH123D35JRDA
M21 - PTH123D50ARDA
M22 - PTH123D50BRDA
M23 - PTH123D50CRDA
M24 - PTH123D50JRDA

Replacement Parts List



Replacement Parts List

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1: CHASSIS BACK

241	0121P00041DG	PARTITION PANEL
261	0131P00002S	FAN MOTOR 100 W, 2 SP, 6 PL (M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
261	0131P00000S	FAN MOTOR 40 W, 2 SP, 8 PL (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
281	20414601	CONDENSER FAN
311	11044101	BLOWER WHEEL
491	CAP050200370RSS	CAPACITOR 5/20/370V (M1)
491	CAP050300370RSS	CAPACITOR 5/30/370V (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
501	C6300502	CAPACITOR STRAP
511	11046302	LEVER ARM (M2, M3, M5, M7, M8, M10, M11, M13, M14, M15, M16, M18, M19, M21, M23)
521	11115401	CABLE (M2, M3, M5, M7, M8, M10, M11, M13, M14, M15, M16, M18, M19, M21, M23)
531	20304003	PROTECTION SHIELD
541	11046105PDG	VENT DOOR
571	11191702	PARTITION PANEL BRACKET (M17, M22)
571	11191703	PARTITION PANEL BRACKET (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21, M23, M24)
931	11172801	POWER VENT MOTOR (M1, M4, M6, M9, M12, M17, M20, M22, M24)
1101	11125301	CONDENSATE PUMP (M11, M19)
1111	20185702	CONDENSATE PUMP BRACKET (M11, M19)
1221	B1160701	TERMINAL BOARD (M1, M4, M6, M9, M12, M17, M20, M22, M24)

Expanded Model Nomenclature

M1 - PTH073D35JRDA
M2 - PTH093D15ARDA
M3 - PTH093D25ARDA
M4 - PTH093D25BRDA
M5 - PTH093D25CRDA
M6 - PTH093D25JRDA
M7 - PTH093D25YRDA
M8 - PTH093D35ARDA
M9 - PTH093D35BRDA
M10 - PTH093D35CRDA
M11 - PTH093D35DRDA
M12 - PTH093D35JRDA
M13 - PTH093D35XRDA
M14 - PTH123D25ARDA
M15 - PTH123D25CRDA
M16 - PTH123D35ARDA
M17 - PTH123D35BRDA
M18 - PTH123D35CRDA
M19 - PTH123D35DRDA
M20 - PTH123D35JRDA
M21 - PTH123D50ARDA
M22 - PTH123D50BRDA
M23 - PTH123D50CRDA
M24 - PTH123D50JRDA

Replacement Parts List

Image 1

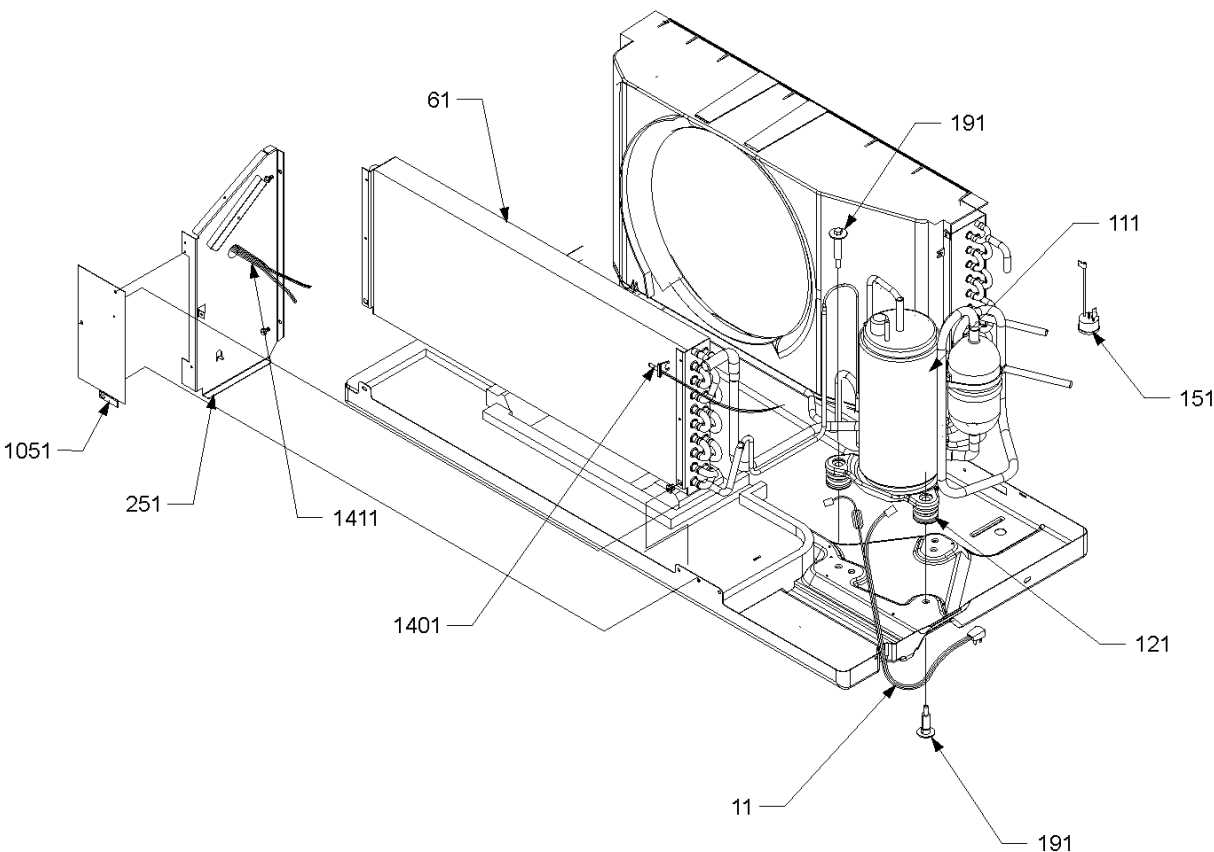
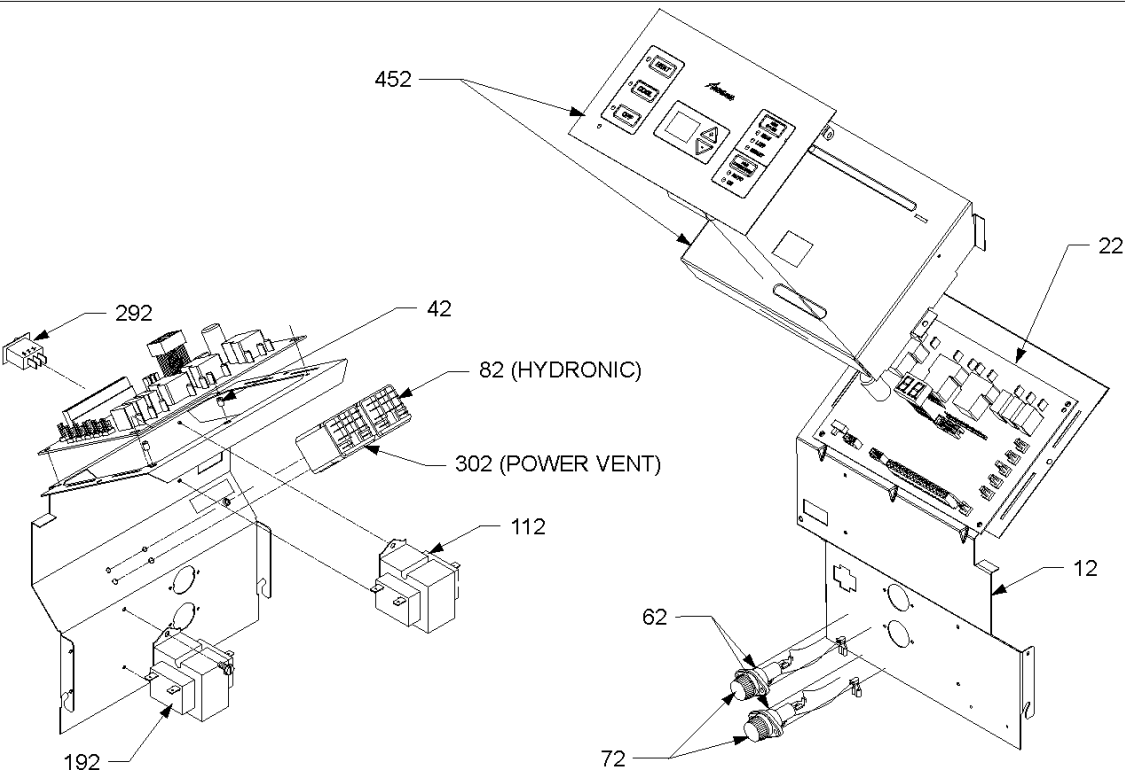


Image 2



Replacement Parts List

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1: CHASSIS FRONT

11	0130P00006S	CORD 250 VAC, 15A (LCDI) (M2, M3, M4, M5, M6, M7, M13, M14, M15)
11	0130P00007S	CORD 250 VAC, 20A (LCDI) (M1, M8, M9, M10, M11, M12, M16, M17, M18, M19, M20)
11	0130P00008	CORD 250 VAC, 30A (LCDI) (M21, M22, M23, M24)
61	0202P00046S	TUBING ASSY, EVAP COIL (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
61	0202P00058S	TUBING ASSY, EVAP COIL (M1)
111	44R282AG-5ES	12K RECHI ROTARY COMPRESSOR (M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
111	44R212AS	9K RECHI ROTARY COMPRESSOR (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
111	39R162AD-9DS	COMPRESSOR, RECHI (M1)
121	60130203	GROMMET - RECHI COMPRESSOR (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
121	60140209	GROMMET - RECHI COMPRESSOR (M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
121	60110202	GROMMET - RECHI COMPRESSOR (M1)
151	60343501	OVERLOAD PROTECTOR (M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
151	60343507	OVERLOAD PROTECTOR (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
151	60345607	OVERLOAD PROTECTOR-RECHI (M1)
191	M0253610	SHOULDER SCREW (M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
191	M0253661	SHOULDER SCREW (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
251	20403301	MID PARTITION PANEL
1051	20410801	ACCESS COVER
1401	0130P00046	THERMISTOR-INDOOR AMBIENT
1411	20295707	THERMISTOR-INDOOR COIL

Expanded Model Nomenclature

M1 - PTH073D35JRDA
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M4 - PTH093D25BRDA
M5 - PTH093D25CRDA
M6 - PTH093D25JRDA
M7 - PTH093D25YRDA
M8 - PTH093D35ARDA
M9 - PTH093D35BRDA
M10 - PTH093D35CRDA
M11 - PTH093D35DRDA
M12 - PTH093D35JRDA
M13 - PTH093D35XRDA
M14 - PTH123D25ARDA
M15 - PTH123D25CRDA
M16 - PTH123D35ARDA
M17 - PTH123D35BRDA
M18 - PTH123D35CRDA
M19 - PTH123D35DRDA
M20 - PTH123D35JRDA
M21 - PTH123D50ARDA
M22 - PTH123D50BRDA
M23 - PTH123D50CRDA
M24 - PTH123D50JRDA

Image 2: CONTROL PANEL

12	11044505	CONTROL PANEL
22	RSKP0010	CONTROL BOARD, M61 WIRELESS KIT
42	M0590702	SUPPORT (QTY 2)
62	C6476001	BAYONET FUSE HOLDER (M7)
62	C6476002	BAYONET FUSE HOLDER (M13)
72	A3410402	FUSE 15A (M7)
72	A3410403	FUSE 20A (M13)
82	C8873917	RELAY (HYRDONIC) (M11, M19)
112	20512501	TRANSFORMER (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M20, M21, M22, M23, M24)
192	B1378501	TRANSFORMER (M1, M4, M6, M9, M11, M12, M17, M19, M20, M22, M24)
292	B1337701	PADDLE SWITCH (M1, M4, M6, M9, M12, M17, M20, M22, M24)
302	C8873932	RELAY (POWER VENT) (M1, M4, M6, M9, M12, M17, M20, M22, M24)
452	RSKP0005	CONTROL PANEL COVER AND MEMBRANE

